ABSTRACT OF THE DISCLOSURE

The present invention is directed to a method for producing gummy stem blight resistant *Cucumis melo* hybrid seeds, plants, breeding lines, pollen, ovules, and tissue culture. The method involves using resistant *C. melo* plants as sources of gummy stem blight resistance in plant breeding programs. Also disclosed are the gummy stem blight resistant *C. melo* seeds, plants, breeding lines, pollen, tissue culture, and ovules produced using the methods of the present invention.